

NOTES ON THE GENUS *NECTARINA* SHUCKARD.
(VESPIDÆ).

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The following notes are based on material in the British Museum (Natural History).

***Nectarina championi* sp. nov.**

Female: head black, remotely punctured, covered with very short golden pubescence; genæ yellow, the yellow extending on to the occiput just behind the middle of each posterior ocellus; eyes dark greenish-bronze with golden iridescence; antennæ mostly ochraceous, lighter on the underside, flagellum on outside, except the three apical joints, brownish-black;

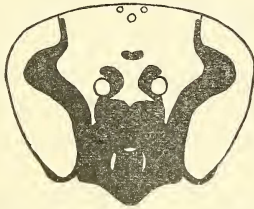


Fig. 1. *Nectarina championi* sp. nov. Front view of head; yellow markings indicated in black.

clypeus yellow, usually with two, short, longitudinal indefinitely shaped, brownish markings, convex, broader than long, posterior margin emarginate, anterior margin acutely prolonged; supra-clypeal area with a band of yellow, posteriorly notched with black in the middle; two more or less rounded yellow markings on the frons adjacent to the base of the antennæ and a small transverse yellow marking above these; mandibles yellow; pronotum yellow with short golden brown hairs arising from minute punctures; mesonotum black, sparsely, but regularly and finely, pitted, with a longitudinal median carina anteriorly, and two, yellow curved-in stripes extending across it longitudinally on each side of this carina; scutellum yellow, pitted,

having a rather coarse appearance, broadly grooved down the middle; post-scutellum yellow, slightly narrower than scutellum, sides parallel, anterior margin transverse, posterior margin rounded, shining and almost impunctate; median segment yellow, much broader than long, broadly and shallowly excavated down the middle, more or less impunctate, with comparatively long golden-brown hairs on the sides; abdomen ochraceous-brown, posterior margin of second segment, and succeeding segments, ochraceous, the first two segments with hairs arising from fine punctures, which lie along them closely longitudinally adpressed, giving them a finely striated appearance; succeeding segments very closely punctate with short golden hairs arising from them; legs ochraceous; with short golden pubescence on the tibiæ and tarsi; wings iridescent-hyaline, nervures brown; tegulæ ochraceous.

Length: 6 millimetres.

Habitat: David, Chiriqui, Panama (*G. C. Champion*).

Holotype and twenty-eight paratypes in the British Museum.

The small size and ochraceous color of this species makes it so distinct from the other species of the genus known to me that it is unnecessary to institute a comparison.

Nectarina scutellaris Fabr.

Additional records: Corcovada, Rio de Janeiro (*G. E. Bryant*, 10. v. 12); Guaruja, Ilha Santo Amaro (*G. E. Bryant*, 9. iv. 12); Santarem; Sao Paulo; Issororo, British Guiana (*G. E. Bodkin*, Jan. 1912).

Nectarina azteca Suass.

In the British Museum from the following Mexican localities: Oojaca; Amula, Guerrero, 6000 feet; Hacienda de la Imagen, 6000 feet; Tierra Colorada, Guerrero, 2000 feet; Rincon; Aca-pulco; Etat de Puebla, Jehuacan.

***Nectarina augusti* Sauss.**

Additional records: Parintins, Lower Amazon (*E. E. Austen*, 4. xi. 96); La Guayra, Venezuela, 1-200 feet (*G. B. Longstaff*, 20. xii. 06).

Meade-Waldo (A. M. N. H. ser. 8, vii, p. 112, 1911) gives *Chartergus amazonicus* Cam. specific rank, but as Ducke has shown (Ann. Mus. Nat. Hung., viii, p. 481, 1910) Cameron's insect is a synonym of *N. augusti* Sauss.

***Nectarina bilineolata* var. *smithii* Sauss.**

Additional records: El Reposo, 8000 feet (*G. C. Champion*); S. Geronimo (*G. C. Champion*); Parintins, Lower Amazon (*E. E. Austen*, 4 xi96); "West Indies" (*E. F. Becher*).

***Nectarina lecheguana* var. *velutina* Spin.**

The following localities for this form appear to be worth recording: Oojaca; Mazatlan; Xucumantlan, Guerrero, 7500 feet; Acaguizotla, Guerrero, 3500 feet; Tepetlapa, Guerrero, 3000 feet; Chilpancingo, Guerrero, 4600 feet; Rincon, 2800 feet; S. Geronimo; Orizaba; Atoyac; Bugaba, Panama; Teapa, Tabasco; V. de Chiriqui, 25-4000 feet; Chontales, Nicaragua; Issororo (*C. B. Williams*, July, 1916); Sta. Catharina; Puerto Bertoni, Paraguay. Mr. G. E. Bryant has taken the typical form at Estancia Biscacheras near Santa Elena, Entre Rios (25, 8, 12). Cameron's *Chartergus centralis* is a synonym of this form, as is also his *aztecus*, needlessly renamed *cameroni* by Meade-Waldo (*loc. cit.*), as Ducke had already established its identity (*loc. cit.*).